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Attorney Docket No.: ER-090-US-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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**JUL 26 2004**

Applicant: Nate Hill  
Serial No.: 09/867,046  
Filed: May 29, 2001  
Title: METAL PLASMA SURFACE MODIFIED THERMAL BARRIER  
CHANNEL

Art Unit: 3635  
Examiner: Horton

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
MAIL STOP AMENDMENT

RESPONSE

In response to the outstanding Office action dated April 26, 2004, Applicant submits the following remarks.

**CERTIFICATE OF TRANSMISSION**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, facsimile number (703) 872-9306, on July 26, 2004.

  
Signature

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